

# Converting Colors

XYZ(43.0127, 74.1641, 51.1013)

Have a look what the booklet for  
XYZ(43.0127, 74.1641, 51.1013)  
contains.

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# Color

**XYZ(43.2064, 74.4986,  
51.1322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FFAC
RGB	0, 255, 172
RGB Percent	0%, 100%, 67%
CMY	0.9999, 0.0000, 0.3255
CMYK	1.00, 0.00, 0.33, 0.00
HSL	160°, 100%, 50%
HSV	160°, 100%, 100%
XYZ	43.2064, 74.4986, 51.1322
YIQ	169.2930, -125.3370, -79.8730

# Conversions

## Conversions Part 2

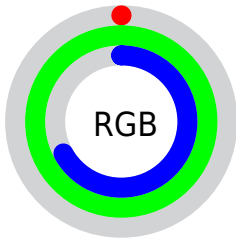
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 152, 255
Decimal	65452
CIELab	89.16, -68.82, 25.85
CIELCh	89, 73.511, 159.412
Yxy	74.4986, 0.2559, 0.4412
Android (android.graphics.Color)	4278255532 (0xFF00FFAC)
YUV	169.2930, 1.3346, -148.4700
Hunter-Lab	86.3126, -61.6934, 25.2950

# Details

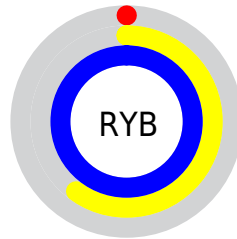
The XYZ color **43.2064, 74.4986, 51.1322** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **42.8027, 21.8856, 10.1575**, and the grayscale version is **37.8993, 39.8731, 43.4218**.

A 20% lighter version of the original color is **56.9660, 80.8344, 85.9990**, and **23.2960, 41.2644, 24.1898** is the 20% darker color. If you saturate the color by 10%, you get **43.2057, 74.4983, 51.1286**, and if you desaturate by 10%, it is **44.4432, 75.0411, 55.4842**.

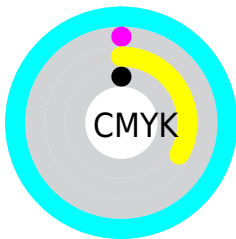
# Distribution



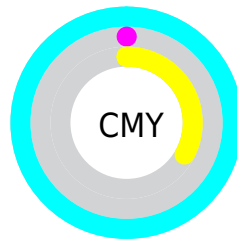
- Red (0%)
- Green (100%)
- Blue (67%)



- Red (0%)
- Yellow (60%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2064, 74.4986, 51.1322 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 43.2064, 74.4986, 51.1322 by changing the saturation by 10% instead.





 43.2064, 74.4986,  
51.1322


 43.2064, 74.4986,  
51.1322


350.3670,  
476.1924, 407.9384


 30.2423, 55.2022,  
35.9364


 79.2760, 125.6024,  
93.2637


 20.1716, 39.5637,  
24.0958


 103.1122,  
158.1785, 121.0364


 12.6288, 27.1985,  
15.1918


 131.3032,  
195.9501, 153.8385

 7.2487, 17.7224,  
8.8060

 164.2143,  
239.3014, 192.0885

 3.6658, 10.7508,  
4.5198

 202.2109,  
288.6169, 236.2049

 1.5149, 5.8995,  
1.9146

245.6583,

 0.3359, 2.7841,

344.2810, 286.6064

0.5020

294.9219,  
406.6780, 343.7113

■ 0.0000, 1.0201,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.2064, 74.4986,  
51.1322

■ 43.2064, 74.4986,  
51.1322

■ 43.2057, 74.4983,  
51.1286

■ 44.4432, 75.0411,  
55.4842

■ 46.2691, 75.8815,  
60.1270

■ 48.8499, 77.1051,  
65.0742

■ 52.2871, 78.7642,  
70.3349

■ 56.6661, 80.9026,  
75.9173

■ 62.0614, 83.5588,  
81.8290

■ 68.5399, 86.7670,  
88.0773

■ 76.1626, 90.5586,  
94.6691

■ 84.9859, 94.9627,  
101.6108

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.1108, 74.4986, 26.2725



43.2064, 74.4986, 51.1322



41.9691, 74.4986, 98.3443

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.2064, 74.4986, 51.1322



76.5931, 74.4986, 222.5792



100.9003, 74.4986, 33.2159

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



43.2064, 74.4986, 51.1322



42.8027, 21.8856, 10.1575

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.5240, 74.4986, 66.0278



43.2064, 74.4986, 51.1322



95.0108, 74.4986, 183.7182

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.2064, 74.4986, 51.1322



59.3717, 74.4986, 212.9729



108.2037, 74.4986, 120.9940



83.6275, 74.4986, 19.3740



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.2064, 74.4986, 51.1322



44.8380, 74.4986, 139.8570



108.2037, 74.4986, 120.9940



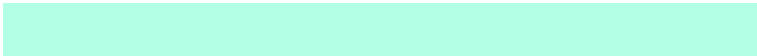
105.2591, 74.4986, 41.6705

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



43.2070, 74.4988, 51.1335



68.5317, 86.7629, 88.0699



39.5083, 73.4523, 12.0963



14.0549, 18.2665, 18.2779



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.2070, 74.4988, 51.1335



43.2057, 74.4983, 51.1286



41.7203, 54.5600, 102.9400



18.2886, 20.3750, 21.8227



22.6475, 38.9556, 27.0926



2.2553, 3.8131, 2.9025



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.8027, 21.8856, 10.1575



42.8016, 21.8846, 10.1533



42.0869, 22.9535, 2.2131



18.2531, 18.0846, 19.9500



22.4253, 11.4594, 5.6242



2.2312, 1.1349, 0.7989



# Previews

## White Background



This preview shows how the XYZ color 43.2064, 74.4986, 51.1322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

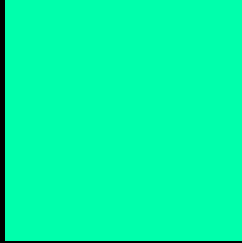
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.2064, 74.4986, 51.1322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

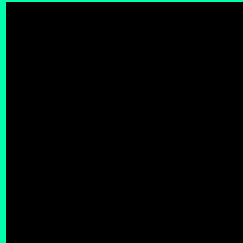
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.2064, 74.4986, 51.1322**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2064, 74.4986, 51.1322.



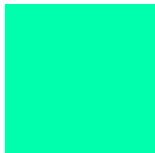
This preview shows how white text looks on a background with the XYZ color 43.2064, 74.4986,



# Color Blindness Simulation

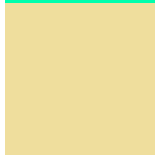
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



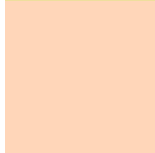
### Original Color

43.2064, 74.4986, 51.1322



### Protanopia

67.8037, 73.0276, 42.4204



### Deuteranopia

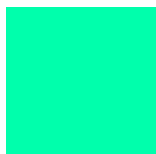
74.0435, 72.8559, 56.0590



## Tritanopia

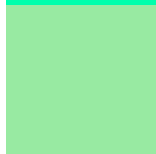
58.4322, 73.8585, 105.7842

# Trichromacy



## Original Color

43.2064, 74.4986, 51.1322



## Protanomaly

48.8933, 68.1297, 44.7558



## Deuteranomaly

51.1578, 67.0153, 53.4190



## Tritanomaly

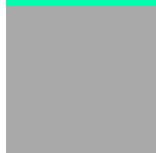
49.8992, 72.6259, 82.6224

# Monochromacy



## Original Color

43.2064, 74.4986, 51.1322



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

34.0943, 47.3990, 45.3822

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2064, 74.4986, 51.1322 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2064, 74.4986, 51.1322 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 255, 172) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 255, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2064, 74.4986, 51.1322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 255,  
172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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